## Unit 3, Lesson 4: Converting Units Homework

1. Priya’s family exchanged 250 dollars for 4,250 pesos. Priya bought a sweater for 510 pesos. How many dollars did the sweater cost?

|  |  |
| --- | --- |
| **pesos** | **dollars** |
| 4,250 | 250 |
|  | 25 |
|  | 1 |
|  | 3 |
| 510 |  |

1. There are 3,785 milliliters in 1 gallon, and there are 4 quarts in 1 gallon. For each question, explain or show your reasoning.
   1. How many milliliters are in 3 gallons?
   2. How many milliliters are in 1 quart?
2. Lin knows that there are 4 quarts in a gallon. She wants to convert 6 quarts to gallons, but cannot decide if she should multiply 6 by 4 or divide 6 by 4 to find her answer. What should she do? Explain or show your reasoning. If you get stuck, consider drawing a double number line or using a table.
3. Tyler has a baseball bat that weighs 28 ounces. Find this weight in kilograms and in grams. (Note: 1 kilogram 35 ounces)
4. Identify whether each unit measures length, volume, or weight (mass).

|  |  |  |  |
| --- | --- | --- | --- |
| Mile |  | Pint |  |
| Cup |  | Yard |  |
| Pound |  | Kilogram |  |
| Centimeter |  | Teaspoon |  |
| Liter |  | Milliliter |  |
| Gram |  |  |  |

(from Unit 3, Lesson 1)

1. A recipe for trail mix uses 7 ounces of almonds with 5 ounces of raisins. (Almonds and raisins are the only ingredients.) How many ounces of almonds would be in a one-pound bag of this trail mix? Explain or show your reasoning.

(from Unit 2, Lesson 11)